

Cálculo de conexiones frigoríficas HFC

Los equipos semicompactos INTARCON se entregan preajustados de fábrica, con precarga de refrigerante R-134a, R-449A para una longitud de tuberías frigoríficas de hasta 10 m.

Las unidades condensadoras vienen equipadas con válvulas de servicio y conexiones tipo Flare para tubo abocardado de hasta 3/4" de diámetro nominal y conexiones para soldar a partir de 7/8".

Se recomienda utilizar los diámetros nominales indicados en las siguientes tablas para tuberías de líquido y gas, según la longitud de la tubería frigorífica. Para longitudes superiores a 10 m se debe añadir carga adicional de refrigerante y aceite polioléster (POE) según cantidades indicadas en tablas.

Modelo		Conexiones y diámetro de tuberías líquido-gas recomendados según distancia entre unidades							Carga adicional en gramos de refrigerante / aceite			
		Conexiones	5 m	10 m	15 m	20 m	25 m	30 m	15 m	20 m	25 m	30 m
R-134a	ALTA TEMPERATURA	- 015	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"						
		- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"					
		- 033	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	125 / 100			
		- 053	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	300 / 200	600 / 400	900 / 600	1200 / 600
		- 074	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	300 / 200	600 / 400	900 / 600	1200 / 600
		- 086	Soldar 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	3/8"-1 1/8"	300 / 250	600 / 500	900 / 750	1200 / 750
		- 108	Soldar 3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	300 / 250	600 / 500	900 / 750	1200 / 750
		- 136	Soldar 1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	600 / 250	1200 / 500	1800 / 750	2400 / 750
		- 160	Soldar 1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 3/8"	600 / 250	1200 / 600	1800 / 900	2400 / 900
		- 215	Soldar 1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	600 / 300	1200 / 600	1800 / 900	2400 / 900
	MEDIA TEMPERATURA	- 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"						
		- 0 015	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"						
		- 1 015	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"		125 / 100			
		- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"		125 / 100			
		- 033	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	125 / 100	250 / 300		
			Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	125 / 100	250 / 300		
		- 053	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	125 / 150	250 / 300		
			Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	125 / 150	250 / 300		
		- 074	Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	3/8"-7/8"	125 / 150	1200 / 400	1500 / 600	1800 / 600
			Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	300 / 150	600 / 400	900 / 600	1200 / 600
R-449A	ALTA TEMPERATURA	- 068	Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	125 / 150	800 / 400	1100 / 600	1400 / 600
		- 086	Soldar 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	300 / 200	600 / 400	900 / 600	1200 / 600
		- 108	Soldar 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	3/8"-1 1/8"	300 / 200	600 / 400	900 / 750	1200 / 750
		- 136 / - 171	Soldar 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	300 / 250	600 / 500	900 / 750	1200 / 750
		- 215	Soldar 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	1/2"-1 1/8"	1/2"-1 3/8"	600 / 250	1200 / 600	1800 / 900	2400 / 900
		- 271	Soldar 1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	600 / 300	1200 / 600	1800 / 900	2400 / 900
	MEDIA TEMPERATURA	- 008 / - 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"			100 / 25			
		- 012	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"						
		- 014	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	300 / 50	600 / 100	900 / 150	1200 / 150
		- 016	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	300 / 50	600 / 100	900 / 150	1200 / 150
		- 018	Flare 1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	300 / 50	600 / 100	900 / 150	1200 / 150
		- 024 / - 026	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	300 / 100	600 / 200	900 / 300	1200 / 300
		- 034	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	300 / 100	600 / 450	900 / 600	1200 / 600
		- 038	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	300 / 150	600 / 450	900 / 600	1200 / 600
		- 048	Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	600 / 150	1100 / 300	1700 / 800	2300 / 800
		- 054	Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	600 / 150	1100 / 600	1700 / 800	2300 / 800
R-452A	ALTA TEMPERATURA	- 060 / - 068	Soldar 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	900 / 400	1800 / 800	2700 / 1200	3600 / 1200
		- 086 / - 108	Soldar 5/8"-1 1/8"	5/8"-1 1/8"	5/8"-1 1/8"	5/8"-1 1/8"	5/8"-1 1/8"	5/8"-1 1/8"	900 / 400	1800 / 800	2700 / 1200	3600 / 1200
		- 008 / - 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"						
		- 012	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"			100 / 50			
		- 014	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"			100 / 50			
		- 016	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"		100 / 50	200 / 100		
		- 018	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"		100 / 50	200 / 100		
		- 024	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	100 / 50	900 / 100		
			Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	300 / 100	600 / 200	900 / 300	1200 / 300
		- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-5/8"	100 / 25	200 / 50	300 / 100	1000 / 250
			Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	300 / 100	600 / 200	900 / 300	1200 / 300
BAJA TEMPERATURA	MEDIA TEMPERATURA	- 034	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"	100 / 25	200 / 50	800 / 200	1000 / 250
			Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	300 / 100	600 / 200	900 / 300	1200 / 300
		- 038	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"	100 / 25	500 / 125	800 / 200	1000 / 250
			Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	300 / 100	600 / 450	900 / 600	1200 / 600
		- 048	Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	500 / 125	1000 / 250	1500 / 350	2000 / 500
			Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	300 / 75	500 / 125	800 / 200	1000 / 250
		- 054	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	300 / 150	600 / 300	900 / 450	1200 / 450
			Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	1/2"-1 1/8"	500 / 125	1000 / 250	1500 / 350	2000 / 500
		- 060	Flare 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-1 1/8"	500 / 125	1000 / 250	1500 / 350	2000 / 500
			Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	300 / 75	500 / 125	800 / 200	1000 / 250
	BAJA TEMPERATURA	- 068	Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	600 / 300	1100 / 600	1700 / 800	2300 / 800
			Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	250 / 60	500 / 125	700 / 200	800 / 200
		- 086	Soldar 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	600 / 300	1100 / 600	1700 / 800	2300 / 800
		- 108	Soldar 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-1 1/8"	1/2"-1 1/8"	600 / 400	1100 / 800	1700 / 1200	2300 / 1200
		- 136	Soldar 1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	600 / 400	1100 / 800	1700 / 1200	2300 / 1200
		- 018	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"			250 / 200	500 / 400	750 / 500	1000 / 750
			Flare 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	100 / 100			
		- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"			300 / 100	600 / 200		
			Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	300 / 300	600 / 450	900 / 600	1200 / 600
		- 034	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	100 / 75	200 / 150	250 / 200	300 / 250
			Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	300 / 300	600 / 450	900 / 800	1200 / 800
		- 075	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	100 / 75	200 / 130	250 / 200	350 / 250
		- 096	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	160 / 100	320 / 200	480 / 300	640 / 400
		- 108	Soldar 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	3/8"-1 1/8"	160 / 100	320 / 200	560 / 350	740 / 460
		- 136	Soldar 3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	190 / 120	370 / 230	560 / 350	740 / 460
		- 215	Soldar 1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 3/8"	1/2"-1 3/8"	240 / 150	470 / 290	760 / 300	1010 / 630
		- 271	Soldar 1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 5/8"	250 / 160	500 / 310	760 / 480	1080 / 680